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Health Care Financing Notes

Medicare: Inpatient Use of
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Health Care Financing Notes

The Health Care Financing Administration was established to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Professional Standards Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to promote the timely delivery of appropriate, quality health care to its beneficiaries—approximately 47 million of the nation's aged, disabled, and poor. The Agency must also ensure that program beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that Agency policies and actions promote efficiency and quality within the total health care delivery system.

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The purpose of the ***Health Care Financing Notes*** is to provide the public with descriptive program data or information as soon as it becomes available. Data are presented here in a brief, concise format. Frequently a more comprehensive analysis of the data may be available at a later time in one of the Health Care Financing Administration's other publications.

Medicare: Inpatient Use of Short-Stay Hospitals, 1978

By Raymond Goldsteen

This Note presents preliminary annual estimates on the use by, charges for, and amounts reimbursed for Medicare aged and disabled Hospital Insurance (HI) enrollees discharged from participating short-stay hospitals during 1978. Data are shown for aged and disabled beneficiaries by State of residence. Trend data for the years 1969 to 1978 are also shown.

Prior to 1973, persons age 65 years and older constituted the entire Medicare population; therefore, the HI program covered only these individuals. Starting July 1973, the Medicare HI benefits were extended to certain persons under 65 years of age (persons entitled to cash benefits for not less than 24 consecutive months under the disability insurance program and persons with end-stage renal disease [ESRD]).

The accompanying general tables in this report present the following information:

Table 1—Shows the nine year trends on the use of and reimbursements for short-stay hospital services under the Medicare HI program, by type of beneficiary, 1969-1978.

Table 2—Shows the use of and reimbursements for short-stay hospital services by aged Medicare HI beneficiaries, by region, division, and State, 1978.

Table 3—Shows the use of and reimbursements for short-stay hospital services by disabled Medicare HI beneficiaries, by region, division, and State, 1978.

The data shown in Tables 2 and 3 are incomplete because an estimated 3 percent of the short-stay hospital discharge records for 1978 were not included in the file used to prepare this report. Therefore, annual discharge and days-of-care rates per 1,000 Medicare HI enrollees are not reported in this Note. HCFA developed a discharge rate index and a days-of-care rate index by geographic division, since it is helpful to have some means of comparing the relative frequency of discharges and days of care among geographic areas. We show these indices in Table A.¹

This report is one of a series in the Office of Research, Judith Lave, Director, to provide a description and analysis of the use and cost of the health care benefits furnished to the beneficiaries of the Medicare and Medicaid programs administered by the Health Care Financing Administration. This report was written under the administrative supervision of Allen Dobson, Director, Division of Beneficiary Studies. It was prepared in the Program Statistics Branch, Herbert A. Silverman, Chief. Statistical and software services were provided by Charles Helbing, Vikki Latta, Cheryl Black and Betty Gunn.

¹ The text discussing the data in Table A gives a detailed description of the methodology used to generate the indices.

Trends in Enrollment, Use, and Reimbursement

Aged, 1969-1978

- The number of aged persons enrolled in the Medicare HI program increased from 20.0 million in 1969 to 24.0 million in 1978, an average annual increase of 2.0 percent.
- Between 1969 and 1978, the number of short-stay hospital discharges of aged beneficiaries increased from about 5.9 million to an estimated 8.3 million, an average annual increase of 3.9 percent. During this period, the average length of hospital stay declined from 13.6 days in 1969 to 10.8 days in 1978, a decrease of about 21 percent. The total days of care (covered and noncovered) therefore increased at a slower pace than the increase in the number of discharges, from 79.8 million to 89.0 million, an average annual increase of 1.2 percent.
- From 1969 to 1978, Medicare HI reimbursements for short-stay hospital services to the aged increased nearly 3.5 times, going from \$4.1 billion to \$14.2 billion, an average annual rate of increase of about 14.7 percent.
- The average reimbursement per discharge increased from \$706 to \$1,721, an average annual increase of 10.4 percent, though the average length of "covered" stay per discharge decreased from 13.4 to 10.6 days.²
- The reimbursement per covered day increased from \$53 in 1969 to \$163 in 1978, an average annual rate of increase of about 13.3 percent.
- The increase in Medicare HI short-stay hospital reimbursements between 1969 and 1978 was primarily a function of the increased cost of hospital care as measured by reimbursement per day. Since the total number of days of covered care per 1,000 aged HI beneficiaries (covered days of care rate) has remained relatively stable since 1971, the increase in the reimbursement per day accounted for most (about 90 percent) of the average annual increase in total short-stay reimbursements. The remainder of the increase in total

² Covered days per stay are less than the total length of stay because not all days of hospitalization are covered by the program. In some cases, the total length of stay exceeded the benefits provided by the program, or did not meet the other requirements for coverage under the program.

TABLE A

Discharges, Utilization Indices, and Average Length of Stay in Short-Stay Hospitals Under the Medicare HI Program, by Geographic Region and Division, 1978

| Geographic Division | Number of Discharges | Annual Discharge Rate Index ¹ | Annual Days-of-Care Rate Index ¹ | Average Length of Stay Index ² | Days |
|-------------------------------|----------------------|--|---|---|------|
| Aged Beneficiaries | | | | | |
| United States ³ | 8,205 | 100 | 100 | 100 | 10.8 |
| Regions | | | | | |
| Northeast | 1,777 | 89 | 110 | 123 | 13.3 |
| North Central | 2,332 | 105 | 108 | 102 | 11.0 |
| South | 2,845 | 108 | 99 | 92 | 9.9 |
| West | 1,250 | 92 | 75 | 81 | 8.7 |
| Divisions | | | | | |
| New England | 455 | 91 | 102 | 111 | 12.0 |
| Middle Atlantic | 1,322 | 88 | 112 | 127 | 13.7 |
| East North Central | 1,482 | 100 | 106 | 106 | 11.4 |
| West North Central | 850 | 115 | 110 | 95 | 10.3 |
| South Atlantic | 1,318 | 99 | 95 | 96 | 10.4 |
| East South Central | 608 | 116 | 106 | 91 | 9.8 |
| West South Central | 919 | 119 | 102 | 85 | 9.2 |
| Mountain | 330 | 96 | 82 | 82 | 8.9 |
| Pacific | 921 | 90 | 73 | 81 | 8.7 |
| Disabled Beneficiaries | | | | | |
| United States ³ | 1,076 | 100 | 100 | 100 | 10.0 |
| Regions | | | | | |
| Northeast | 213 | 90 | 108 | 120 | 12.0 |
| North Central | 268 | 105 | 112 | 107 | 10.7 |
| South | 418 | 105 | 96 | 92 | 9.2 |
| West | 175 | 96 | 80 | 83 | 8.3 |
| Divisions | | | | | |
| New England | 48 | 91 | 98 | 107 | 10.7 |
| Middle Atlantic | 165 | 90 | 111 | 124 | 12.4 |
| East North Central | 150 | 102 | 112 | 110 | 11.0 |
| West North Central | 78 | 114 | 114 | 100 | 10.0 |
| South Atlantic | 201 | 101 | 97 | 96 | 9.6 |
| East South Central | 104 | 113 | 101 | 89 | 8.9 |
| West South Central | 113 | 105 | 91 | 87 | 8.7 |
| Mountain | 41 | 98 | 83 | 85 | 8.5 |
| Pacific | 134 | 96 | 80 | 83 | 8.3 |

¹Ratio of annual rates per 1,000 enrollees in subdivisions to the entire United States rate, times 100.

²Ratio of average length of stay in subdivisions to average for the entire United States, times 100.

³Excludes Puerto Rico, the Virgin Islands, and other enrollees outside the 50 States and the District of Columbia.

reimbursements was due to the greater number of hospital days used by the aged because of the increase in HI enrollment during this period.³

- Total hospital charges increased faster than reimbursable costs. Between 1969 and 1978, total hospital charges increased from \$5.3 billion to \$20.0 billion, or at an average annual rate of 16.0 percent compared to 14.7 percent for reimbursements. Therefore, Medicare HI reimbursement decreased from 78.5 percent of total charges in 1969 to 71.3 percent of total charges in 1978.

Disabled, 1974–1978

- Between 1974 (the first full year that disabled persons were covered under HI) and 1978, the number of disabled persons enrolled in the HI program increased from 1.9 million to 2.8 million, an average annual increase of 9.7 percent.
- During this period, the number of discharges of disabled beneficiaries from short-stay hospitals increased from 0.6 million to 1.1 million, an average annual increase of 16.1 percent. The average length of stay per discharge decreased during this period from 11.2 to 10.0 days, a decrease of approximately 11 percent. As a result of these offsetting effects, the total days of care used by the disabled increased at a slower rate than the number of discharges—an average annual rate of 13.0 percent—from 6.6 million days to 10.8 million days.
- Medicare HI reimbursements for short-stay hospital services to the disabled nearly tripled, increasing from \$628 million in 1974 to \$1.83 billion in 1978, an average annual rate of increase of about 30 percent.
- The average reimbursement per discharge increased from \$1,055 in 1974 to \$1,685 in 1979, an average annual rate of increase of about 12.4 percent, despite the decrease from 10.8 to 9.8 days in the average length of covered stay.
- The average reimbursement per covered day increased from \$98 in 1974 to \$173 in 1978, an average annual rate of increase of about 15.3 percent.

³ These estimates are based on the algebraic relationship that the amount reimbursed by Medicare for inpatient hospital use in any given year is the product of three factors: the covered days-of-care rate, the total aged HI enrollment, and the average reimbursement per covered day. The percentage change in the amount reimbursed by Medicare is the sum of the percentage changes in each of these three factors. When the formula is applied to apportion the sources of increase over a longer period of time, an “interaction” effect may be present. The interaction involves the combined effects of the individual factors acting together. For a detailed discussion of methods used to apportion interaction effects, refer to Herbert E. Klarman, *et. al.*, “Sources of Increases in Selected Medical Care Expenditures, 1929–1969,” U.S. Department of Health, Education, and Welfare; Social Security Administration; Office of Research and Statistics; Staff Paper No. 4, 1970. The above estimates are based on the computations of Charles Helbing in “Ten Years of Short-Stay Hospital Utilization and Costs Under Medicare: 1967–1976,” Health Care Financing Research Report, Health Care Financing Administration, Publication No. 03053, August 1980.

- Between 1974 and 1978, the average annual increase in the reimbursement per covered day accounted for approximately 54 percent of the average annual increase in total short-stay hospital reimbursements to the disabled. About 34 percent of the increase in total reimbursements was due to the greater number of hospital days used by the disabled because of the average annual increase in HI enrollment during the period. The remainder of the increase was due to the average annual increase in the covered days of care per 1,000 disabled HI enrollees.⁴
- Total hospital charges increased slightly faster than reimbursable costs. Between 1974 and 1978, total hospital charges increased from \$0.9 billion to \$2.6 billion, or at an average annual rate of 32 percent compared to 30 percent for reimbursements. Therefore, Medicare HI reimbursements decreased from 73.3 percent of charges in 1974 to 69.3 percent of charges in 1978.

Use, Charges and Reimbursements

Aged, 1978

- The 8.3 million discharges of aged beneficiaries in 1978 accounted for 89.0 million days of short-stay hospital care. The mean length of stay per discharge was 10.8 days. Of the total 89.0 million days of care, 87.4 million days (98.2 percent) were covered days, that is, paid for in full or in part by the HI program.
- Total hospital charges for short-stay discharges in 1978 were \$20.0 billion. Of this total, Medicare patients were responsible for approximately \$1.3 billion (7 percent) in non-reimbursable charges (deductibles, coinsurance, and other noncovered services). On an interim basis, the HI program reimbursed the hospitals \$14.2 billion—about 71 percent of total hospital charges. We estimate that additional retroactive year-end payments based on audited cost reports are about \$0.6 billion (3 percent) of total hospital charges. The remainder—about \$3.9 billion (19 percent) of total hospital charges—represents nonrecoverable charges billed by the hospital, since Medicare reimbursement is based on “reasonable costs.”⁵
- We found substantial geographic differences in use of and reimbursements for short-stay hospital services to aged beneficiaries.
 - Among the four U.S. census regions, the average length of covered stay ranged from 8.7 days in the West to 12.8 days in the Northeast. The mean reimbursement per discharge ranged from \$1,387 in the South to \$2,127 in the Northeast. The mean reimbursement per covered day ranged from \$142 in the South to \$221 in the West.

⁴ See Klarman, *et. al.*, *Ibid.* Appendix, Method Number 5.

⁵ Interim Medicare payments are intended to meet program obligations for the reasonable costs of services to beneficiaries on a current basis. The amount of payments are based on estimates of incurred costs. These are adjusted following the submittal of audited cost reports. For a detailed discussion of the composition of short-stay hospital charges, refer to Charles Helbing, *Op. Cit.*

- Among the 50 States, the average length of covered stay ranged from 7.6 days in Idaho to 14.1 days in New York. The mean reimbursement per discharge ranged from \$973 in Arkansas to \$2,872 in the District of Columbia.
- Among the nine U.S. census divisions, the proportion of total hospital charges reimbursed by the Medicare HI program varied considerably. This variation ranged from a low of 64.3 percent in the Middle Atlantic division to a high of 76.7 percent in the West North Central division.

Disabled Persons, 1978

- The 1.1 million discharges of disabled beneficiaries occurring in 1978 accounted for 10.8 million days of short-stay hospital care. The mean length of stay per discharge was 10.0 days. Of the total 10.8 million days of care, 10.6 million days (97.7 percent) were covered days, that is, paid for in full or in part by the HI program.
- As reported for the aged, use of and reimbursements for short-stay hospital services to the disabled varied considerably by the geographic residence of the beneficiary.
 - Among the four U.S. census regions, average length of covered stay ranged from 8.1 days in the West to 11.7 days in the Northeast. The mean reimbursement per discharge ranged from \$1,340 in the South to \$2,015 in the Northeast. The mean reimbursement per covered day ranged from \$148 in the South to \$235 in the West.
- Among the 50 States, the average length of covered stay ranged from 6.8 days in Montana and Alaska to 13.6 days in the District of Columbia. The mean reimbursement per discharge ranged from \$876 in Arkansas to \$3,065 in the District of Columbia.
- Among the nine U.S. census divisions, the proportion of total hospital charges reimbursed by the Medicare HI program varied considerably. This variation, which was quite similar to that shown for the aged, ranged from 63.0 percent in the Middle Atlantic and East South Central divisions to 75.5 percent in New England.
- Disabled beneficiaries had an average length of covered stay of 9.8 days compared to 10.6 days for the aged. The average reimbursement per discharge was slightly less for the disabled (\$1,685) than for the aged (\$1,721).

Short-Stay Hospital Use Indices, 1978

Data presented in this *Note* are based on discharge records processed and recorded in HCFA as of December 1979. Because an estimated 3 percent of the discharge records for 1978 had not been processed as of December 1979, the 1978 data (Tables 2 and 3) should be regarded as preliminary.⁶ Since the rate of record completion may vary across the States, the annual discharge and days-of-care rates are not shown for the individual States in Tables 2 and 3. However, the file is assumed to be more complete at the census region and division levels. For this reason, the preliminary discharge rate (discharges per 1,000 enrollees) and

the total days-of-care rate (total days of care per 1,000 enrollees) for each census region and division (Table A) are indexed to the national rate. This index provides a measure of relative difference between census regions and divisions in the use of short-stay hospital services. The index shows the percentage above or below the national rate that a region or division falls in a specific use measure.

The index is derived by dividing the preliminary region and division utilization rates by the preliminary rate for the entire United States. For example, if the preliminary data showed that the national discharge rate was 300 per 1,000 HI beneficiaries, and the rate for census region A was 330 per 1,000, the discharge rate index for region A would be 110, or 10 percent above the national rate. On the other hand, if region B had a discharge rate of 270 per 1,000 HI beneficiaries, its index would be 90, or 10 percent below the national rate.

Aged, 1978

- Hospital use by the aged in the United States varied substantially among the nine U.S. census divisions.
 - The annual total days-of-care rate index ranged from a low of 73 in the Pacific States to a high of 112 in the Middle Atlantic States.
 - The annual discharge rate index ranged from 88 in the Middle Atlantic States to 119 in the West South Central States.
 - The average length of stay index ranged from 81 in the Pacific States to 127 in the Middle Atlantic States.

Disabled, 1978

- The short-stay hospital use patterns for the disabled were quite similar to those for the aged, as described above.
 - The annual total days of care rate index ranged from 80 in the Pacific States to 114 in the West North Central States.
 - The annual discharge rate index ranged from 90 in the Middle Atlantic States to 114 in the West North Central States.
 - The average length of stay index ranged from 83 in the Pacific States to 124 in the Middle Atlantic States.

Sources and Limitations of Data

We derived data for a 20 percent sample of the insured population from billing forms for inpatient hospital services submitted for payment by participating short-stay hospitals.

We match information from the billing form to the Health Insurance Eligibility master file which contains information on enrollee demographic characteristics. We then match the discharge record to the Provider of Service master file which contains information on the characteristics of each participating hospital.

Data presented in this *Note* are based on discharge records processed and recorded as of December 1979. As a result, 1978 data should be regarded as "preliminary" since an estimated 3 percent of the discharge records for 1978 had not been processed for payment as of December 1979. The sample counts for 1978 have been multiplied by 5 to give an estimate of the total number of discharges recorded as of that date.

⁶ A more comprehensive analysis based on the availability of additional data is presented in the Health Care Financing Statistical Report series. Separate reports are prepared for the aged and disabled.

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Definitions

Covered Day of Care—A day of inpatient skilled nursing care during which the services (determined to be medically necessary by the Professional Standards Review Organization or the Utilization Review Committee) covered by Medicare were furnished to a person eligible for HI benefits. The day of discharge is not counted as a day of care.

Day of Care—A day of inpatient hospital care during which services were furnished to a person eligible for hospital insurance benefits. The day of discharge is not counted as a day of care.

Discharge—The formal release of a patient from a hospital. Discharges include persons who died during their hospitalization or were transferred to another hospital.

Reimbursement—Payments under the HI program which are shown in the *Note* are based on interim reimbursement rates reported on processed bills. The interim rates are established as a *per diem* amount or as a percentage of total charges. Figures shown exclude amounts for which the patient is responsible such as deductibles, coinsurance, and

charges for noncovered services. The final amount of reimbursement due under Medicare to each provider of medical services is determined after the end of the fiscal year on the basis of the providers' audited reasonable costs of operation.

Short-Stay Hospitals—Those hospitals where the average length of stay is less than 30 days. General and special hospitals are included in this category.

State—Refers to the State where the beneficiary is living, not the State where he or she received services.

Standard Error Tables

Tables 4 through 9 show approximate standard errors for estimates presented in this report. The standard error is a measure of sampling variability: the variation occurs by chance because a sample rather than the whole population is used. Approximate methods were used to calculate the standard errors at a reasonable cost. Thus, these tables should be used only as indicators of the order of magnitude of the standard errors for specific estimates.

TABLE 1

Use of Short Stay Hospital Services by Medicare Hospital Insurance (HI) Beneficiaries: Number of HI Enrollees and Discharges, Days of Care, Charges, and Reimbursement by Type of Beneficiary, Calendar Years, 1969-78

| Year | Number of Enrollees | Number of Discharges | Mean Length of Stay (in days) | | Days of Care | | | Total Charges | | | Reimbursement | | | |
|-------------------|---------------------|----------------------|-------------------------------|-----------------|-------------------------|-------------------------|-----------------------|-------------------------|-----------------|---------|-------------------------|-----------------|--------------------------|--|
| | | | Total | Covered | Total | Covered | | Amount (in Thou- sands) | Per Dis- charge | Per Day | Amount (in Thou- sands) | Per Dis- charge | Percent of Total charges | |
| | | | Per Dis- charge | Per Dis- charge | Number (in Thou- sands) | Number (in Thou- sands) | Percent of Total Days | | | | | | | |
| All Beneficiaries | | | | | | | | | | | | | | |
| 1969 ¹ | 20,014,235 | 5,854,780 | 13.6 | 13.4 | 79,761 | 78,356 | 98.2 | \$5,260,606 | \$899 | \$66 | \$4,132,826 | \$706 | 78.5 | |
| 1970 ¹ | 20,361,152 | 5,920,320 | 13.1 | 12.8 | 77,652 | 75,914 | 97.7 | 5,908,690 | 998 | 76 | 4,517,654 | 763 | 76.4 | |
| 1971 ¹ | 20,742,250 | 6,111,835 | 12.7 | 12.3 | 77,395 | 75,313 | 97.3 | 6,733,494 | 1,102 | 87 | 5,129,245 | 839 | 76.1 | |
| 1972 ¹ | 21,115,261 | 6,495,050 | 12.3 | 11.8 | 79,809 | 76,788 | 96.2 | 7,560,301 | 1,164 | 95 | 5,709,189 | 879 | 75.5 | |
| 1973 | 23,301,082 | 6,861,125 | 11.9 | 11.3 | 81,380 | 77,663 | 95.4 | 8,269,144 | 1,207 | 102 | 6,253,014 | 911 | 75.6 | |
| 1974 | 23,924,145 | 7,012,555 | 11.6 | 11.3 | 81,307 | 79,418 | 97.7 | 9,722,750 | 1,386 | 120 | 7,309,058 | 1,042 | 75.2 | |
| 1975 | 24,640,497 | 7,413,490 | 11.3 | 11.2 | 84,140 | 82,734 | 98.3 | 12,309,324 | 1,660 | 146 | 9,209,250 | 1,242 | 74.8 | |
| 1976 | 25,312,575 | 8,320,120 | 11.2 | 11.1 | 93,516 | 91,993 | 98.4 | 15,971,925 | 1,920 | 171 | 11,895,771 | 1,430 | 74.5 | |
| 1977 ² | 26,093,919 | 8,740,440 | 11.0 | 10.8 | 95,882 | 94,251 | 98.3 | 18,952,160 | 2,168 | 198 | 13,795,807 | 1,578 | 72.8 | |
| 1978 ³ | 26,777,263 | 9,349,131 | 10.7 | 10.5 | 99,786 | 97,928 | 98.1 | 22,595,854 | 2,417 | 226 | 16,054,294 | 1,717 | 71.0 | |
| Aged | | | | | | | | | | | | | | |
| 1969 | 20,014,235 | 5,854,780 | 13.6 | 13.4 | 79,761 | 78,356 | 98.2 | 5,260,606 | 899 | 66 | 4,132,826 | 706 | 78.5 | |
| 1970 | 20,361,152 | 5,920,320 | 13.1 | 12.8 | 77,652 | 75,914 | 97.7 | 5,908,690 | 998 | 76 | 4,517,654 | 763 | 76.4 | |
| 1971 | 20,742,250 | 6,111,835 | 12.7 | 12.3 | 77,395 | 75,313 | 97.3 | 6,733,494 | 1,102 | 87 | 5,129,245 | 839 | 76.1 | |
| 1972 | 21,115,261 | 6,495,050 | 12.3 | 11.8 | 79,809 | 76,788 | 96.2 | 7,560,301 | 1,164 | 95 | 5,709,189 | 879 | 75.5 | |
| 1973 | 21,570,544 | 6,628,105 | 11.9 | 11.4 | 78,838 | 75,324 | 95.6 | 8,002,424 | 1,209 | 102 | 6,052,260 | 915 | 75.6 | |
| 1974 | 21,996,029 | 6,416,840 | 11.6 | 11.4 | 74,664 | 72,995 | 97.8 | 8,865,347 | 1,382 | 119 | 6,680,648 | 1,041 | 75.4 | |
| 1975 | 22,472,104 | 6,697,055 | 11.4 | 11.2 | 76,457 | 75,213 | 98.4 | 11,088,929 | 1,656 | 145 | 8,319,313 | 1,242 | 75.0 | |
| 1976 | 22,920,417 | 7,461,725 | 11.3 | 11.1 | 84,474 | 83,139 | 98.4 | 14,303,731 | 1,917 | 169 | 10,681,706 | 1,432 | 74.7 | |
| 1977 ² | 23,474,546 | 7,786,495 | 11.0 | 10.9 | 86,024 | 84,603 | 98.3 | 16,866,883 | 2,166 | 196 | 12,308,999 | 1,581 | 73.0 | |
| 1978 ³ | 23,984,057 | 8,265,771 | 10.8 | 10.6 | 88,971 | 87,363 | 98.2 | 19,959,542 | 2,415 | 224 | 14,228,643 | 1,721 | 71.3 | |
| Disabled | | | | | | | | | | | | | | |
| 1973 | 1,730,538 | 233,020 | 10.9 | 10.0 | 2,542 | 2,339 | 92.0 | 266,720 | 1,145 | 105 | 200,754 | 862 | 75.3 | |
| 1974 | 1,928,116 | 595,715 | 11.2 | 10.8 | 6,643 | 6,423 | 96.7 | 857,403 | 1,439 | 129 | 628,410 | 1,055 | 73.3 | |
| 1975 | 2,168,393 | 716,435 | 10.7 | 10.5 | 7,683 | 7,521 | 97.9 | 1,220,395 | 1,703 | 159 | 889,937 | 1,242 | 72.9 | |
| 1976 | 2,392,158 | 858,395 | 10.5 | 10.3 | 9,042 | 8,854 | 97.9 | 1,668,194 | 1,943 | 184 | 1,214,065 | 1,414 | 72.8 | |
| 1977 ² | 2,619,373 | 953,945 | 10.3 | 10.1 | 9,858 | 9,648 | 97.9 | 2,085,277 | 2,186 | 212 | 1,486,808 | 1,559 | 71.3 | |
| 1978 ³ | 2,793,206 | 1,083,360 | 10.0 | 9.8 | 10,815 | 10,565 | 97.7 | 2,636,312 | 2,433 | 244 | 1,825,651 | 1,685 | 69.3 | |

¹ Prior to 1973, services were covered only for beneficiaries aged 65 and over. Effective July 1, 1973, HI benefits were extended to persons under 65 years of age who were entitled to cash benefits for not less than 24 consecutive months under the disability insurance program and to persons with End-Stage Renal Disease (ESRD).

² Revised estimates.

³ Preliminary estimates.

TABLE 2

Use of Short Stay Hospital Services by Aged Medicare Hospital Insurance (HI) Beneficiaries: Number of Discharges, Days of Care, Charges, and Reimbursement by Region, Division, and State, 1978

| Area of Residence | Mean Length of Stay (in days) | | | Days of Care | | | Total Charges | | | Reimbursement | | |
|--------------------|-------------------------------|---------------|---------------|----------------------|-----------------------|-----------------------|-----------------------|---------------|---------|-----------------------|---------------|--------------------------|
| | Number of Discharges | Total Covered | | Total (in Thousands) | Total Covered | | Amount (in Thousands) | Per Discharge | Per Day | Amount (in Thousands) | Per Discharge | Percent of Total charges |
| | | Per Discharge | Per Discharge | | Number (in Thousands) | Percent of Total Days | | | | | | |
| All Areas | 8,265,771 | 10.8 | 10.6 | 88,971 | 87,363 | 98.2 | \$19,959,542 | \$2,415 | \$224 | \$14,228,643 | \$1,721 | 71.3 |
| United States | 8,205,470 | 10.8 | 10.6 | 88,360 | 86,767 | 98.2 | 19,884,705 | 2,423 | 225 | 14,186,179 | 1,729 | 71.3 |
| Northeast | 1,777,064 | 13.3 | 12.8 | 23,594 | 22,775 | 96.5 | 5,635,868 | 3,171 | 239 | 3,780,284 | 2,127 | 67.1 |
| North Central | 2,332,052 | 11.0 | 10.8 | 25,706 | 25,289 | 98.4 | 5,407,148 | 2,319 | 210 | 4,070,236 | 1,745 | 75.3 |
| South | 2,844,781 | 9.9 | 9.8 | 28,112 | 27,875 | 99.2 | 5,635,788 | 1,981 | 200 | 3,944,481 | 1,387 | 70.0 |
| West | 1,250,431 | 8.7 | 8.7 | 10,937 | 10,818 | 98.9 | 3,202,721 | 2,561 | 293 | 2,389,330 | 1,911 | 74.6 |
| New England | 455,258 | 12.0 | 11.5 | 5,468 | 5,246 | 95.9 | 1,275,185 | 2,801 | 233 | 974,901 | 2,141 | 76.5 |
| Connecticut | 96,650 | 11.4 | 11.3 | 1,103 | 1,091 | 98.9 | 265,597 | 2,748 | 241 | 210,037 | 2,173 | 79.1 |
| Maine | 48,540 | 10.1 | 9.8 | 489 | 476 | 97.4 | 105,185 | 2,167 | 215 | 78,294 | 1,613 | 74.4 |
| Massachusetts | 223,760 | 13.1 | 12.3 | 2,936 | 2,759 | 94.0 | 708,644 | 3,167 | 241 | 535,159 | 2,392 | 75.5 |
| New Hampshire | 32,295 | 10.2 | 9.7 | 329 | 315 | 95.7 | 63,539 | 1,967 | 193 | 48,784 | 1,511 | 76.8 |
| Rhode Island | 33,926 | 11.9 | 11.8 | 402 | 401 | 99.5 | 95,140 | 2,804 | 236 | 74,033 | 2,182 | 77.8 |
| Vermont | 20,087 | 10.4 | 10.2 | 209 | 204 | 97.7 | 37,080 | 1,846 | 177 | 28,594 | 1,424 | 77.1 |
| Middle Atlantic | 1,321,806 | 13.7 | 13.3 | 18,126 | 17,529 | 96.7 | 4,360,683 | 3,299 | 241 | 2,805,383 | 2,122 | 64.3 |
| New Jersey | 242,288 | 13.8 | 13.5 | 3,354 | 3,264 | 97.3 | 795,291 | 3,282 | 237 | 487,984 | 2,014 | 61.4 |
| New York | 612,327 | 14.8 | 14.1 | 9,075 | 8,657 | 95.4 | 2,226,473 | 3,636 | 245 | 1,457,056 | 2,380 | 65.4 |
| Pennsylvania | 467,191 | 12.2 | 12.0 | 5,697 | 5,607 | 98.4 | 1,338,919 | 2,866 | 235 | 860,343 | 1,842 | 64.3 |
| East North Central | 1,481,662 | 11.4 | 11.3 | 16,938 | 16,806 | 99.2 | 3,784,742 | 2,554 | 223 | 2,825,045 | 1,907 | 74.6 |
| Illinois | 433,348 | 11.7 | 11.6 | 5,078 | 5,017 | 98.8 | 1,232,251 | 2,844 | 243 | 880,381 | 2,032 | 71.4 |
| Indiana | 190,451 | 11.1 | 11.0 | 2,105 | 2,088 | 99.2 | 376,082 | 1,975 | 179 | 308,113 | 1,618 | 81.9 |
| Michigan | 298,927 | 11.5 | 11.4 | 3,438 | 3,422 | 99.5 | 867,455 | 2,902 | 252 | 644,307 | 2,155 | 74.3 |
| Ohio | 372,051 | 11.7 | 11.6 | 4,350 | 4,327 | 99.5 | 916,163 | 2,462 | 211 | 674,186 | 1,812 | 73.6 |
| Wisconsin | 186,885 | 10.5 | 10.4 | 1,966 | 1,953 | 99.3 | 392,791 | 2,102 | 200 | 318,058 | 1,702 | 81.0 |
| West North Central | 850,390 | 10.3 | 10.0 | 8,768 | 8,482 | 96.7 | 1,622,406 | 1,908 | 185 | 1,245,191 | 1,464 | 76.7 |
| Iowa | 152,876 | 9.6 | 9.3 | 1,469 | 1,418 | 96.6 | 259,904 | 1,700 | 177 | 204,509 | 1,338 | 78.7 |
| Kansas | 125,180 | 11.4 | 10.4 | 1,421 | 1,302 | 91.6 | 246,305 | 1,968 | 173 | 184,278 | 1,472 | 74.8 |
| Minnesota | 178,204 | 9.8 | 9.6 | 1,739 | 1,714 | 98.6 | 334,715 | 1,878 | 192 | 276,593 | 1,552 | 82.6 |
| Missouri | 237,115 | 11.3 | 11.0 | 2,681 | 2,612 | 97.4 | 514,990 | 2,172 | 192 | 380,026 | 1,603 | 73.8 |
| Nebraska | 84,224 | 9.5 | 9.4 | 804 | 795 | 98.9 | 150,873 | 1,791 | 188 | 108,367 | 1,287 | 71.8 |
| North Dakota | 34,025 | 9.0 | 9.0 | 308 | 305 | 99.1 | 57,073 | 1,677 | 185 | 46,307 | 1,361 | 81.1 |
| South Dakota | 38,766 | 8.9 | 8.7 | 346 | 336 | 97.1 | 58,546 | 1,510 | 169 | 45,111 | 1,164 | 77.1 |
| South Atlantic | 1,318,033 | 10.4 | 10.3 | 13,667 | 13,516 | 98.9 | 2,908,645 | 2,207 | 213 | 2,062,761 | 1,565 | 70.9 |
| Delaware | 16,385 | 12.5 | 12.4 | 205 | 203 | 98.8 | 45,797 | 2,795 | 223 | 35,197 | 2,148 | 76.9 |
| Dist. of Columbia | 19,213 | 13.5 | 12.7 | 260 | 245 | 94.1 | 70,285 | 3,658 | 271 | 55,174 | 2,872 | 78.5 |
| Florida | 495,891 | 9.7 | 9.7 | 4,814 | 4,790 | 99.5 | 1,223,917 | 2,468 | 254 | 828,704 | 1,671 | 67.7 |
| Georgia | 173,512 | 8.8 | 8.7 | 1,524 | 1,509 | 99.1 | 299,465 | 1,726 | 197 | 206,452 | 1,190 | 68.9 |
| Maryland | 104,001 | 12.7 | 12.5 | 1,318 | 1,305 | 99.0 | 294,842 | 2,835 | 224 | 251,948 | 2,423 | 85.5 |
| North Carolina | 183,062 | 10.9 | 10.6 | 1,994 | 1,949 | 97.8 | 317,869 | 1,736 | 159 | 240,734 | 1,315 | 75.7 |
| South Carolina | 81,872 | 10.2 | 10.1 | 834 | 826 | 99.1 | 144,508 | 1,765 | 173 | 103,448 | 1,264 | 71.6 |
| Virginia | 157,808 | 11.6 | 11.6 | 1,838 | 1,823 | 99.2 | 349,640 | 2,216 | 190 | 235,885 | 1,495 | 67.5 |
| West Virginia | 86,289 | 10.2 | 10.0 | 880 | 866 | 98.4 | 162,322 | 1,881 | 184 | 105,219 | 1,219 | 64.8 |

(continued)

TABLE 2 (Continued)

Use of Short Stay Hospital Services by Aged Medicare Hospital Insurance (HI) Beneficiaries: Number of Discharges, Days of Care, Charges, and Reimbursement by Region, Division, and State, 1978

| Area of Residence | Mean Length of Stay (in Days) | | | Days of Care | | | Total Charges | | | Reimbursement | | |
|--------------------|-------------------------------|---------------|---------------|----------------------|-----------------------|-----------------------|-----------------------|---------------|---------|-----------------------|---------------|--------------------------|
| | Number of Discharges | Total Covered | | Total (in Thousands) | Total Covered | | Amount (in Thousands) | Per Discharge | Per Day | Amount (in Thousands) | Per Discharge | Percent of Total charges |
| | | Per Discharge | Per Discharge | | Number (in Thousands) | Percent of Total Days | | | | | | |
| East South Central | 608,153 | 9.8 | 9.7 | 5,974 | 5,929 | 99.3 | 1,093,990 | 1,799 | 183 | 716,610 | 1,178 | 65.5 |
| Alabama | 161,173 | 9.5 | 9.4 | 1,524 | 1,520 | 99.7 | 314,212 | 1,950 | 206 | 196,042 | 1,216 | 62.4 |
| Kentucky | 147,523 | 9.7 | 9.6 | 1,429 | 1,420 | 99.3 | 234,845 | 1,592 | 164 | 173,293 | 1,175 | 73.8 |
| Mississippi | 118,024 | 10.0 | 9.9 | 1,177 | 1,167 | 99.2 | 185,936 | 1,575 | 158 | 122,249 | 1,036 | 65.7 |
| Tennessee | 181,433 | 10.2 | 10.0 | 1,843 | 1,823 | 98.9 | 358,997 | 1,979 | 195 | 225,026 | 1,240 | 62.7 |
| West South Central | 918,595 | 9.2 | 9.2 | 8,471 | 8,430 | 99.5 | 1,633,153 | 1,778 | 193 | 1,165,110 | 1,268 | 71.3 |
| Arkansas | 130,129 | 8.7 | 8.7 | 1,138 | 1,133 | 99.6 | 194,413 | 1,494 | 171 | 126,626 | 973 | 65.1 |
| Louisiana | 144,371 | 9.5 | 9.5 | 1,374 | 1,367 | 99.5 | 270,000 | 1,870 | 196 | 177,385 | 1,229 | 65.7 |
| Oklahoma | 139,855 | 9.0 | 9.0 | 1,257 | 1,254 | 99.7 | 262,830 | 1,879 | 209 | 189,589 | 1,356 | 72.1 |
| Texas | 504,240 | 9.3 | 9.3 | 4,702 | 4,676 | 99.5 | 905,910 | 1,797 | 193 | 671,510 | 1,332 | 74.1 |
| Mountain | 329,863 | 8.9 | 8.7 | 2,922 | 2,869 | 98.2 | 667,439 | 2,023 | 228 | 491,808 | 1,491 | 73.7 |
| Arizona | 82,344 | 9.8 | 9.5 | 807 | 783 | 97.0 | 192,121 | 2,333 | 238 | 141,821 | 1,722 | 73.8 |
| Colorado | 85,246 | 9.4 | 9.3 | 801 | 789 | 98.6 | 181,076 | 2,124 | 226 | 130,018 | 1,525 | 71.8 |
| Idaho | 30,157 | 7.6 | 7.6 | 230 | 230 | 99.6 | 47,808 | 1,585 | 207 | 37,930 | 1,258 | 79.3 |
| Montana | 33,346 | 8.0 | 7.8 | 266 | 258 | 97.2 | 51,824 | 1,554 | 195 | 40,224 | 1,206 | 77.6 |
| Nevada | 19,473 | 8.7 | 8.6 | 169 | 168 | 99.5 | 54,125 | 2,779 | 321 | 35,513 | 1,824 | 65.6 |
| New Mexico | 35,735 | 8.4 | 8.2 | 300 | 294 | 97.9 | 65,680 | 1,838 | 219 | 48,025 | 1,344 | 73.1 |
| Utah | 28,562 | 7.7 | 7.7 | 220 | 219 | 99.6 | 50,877 | 1,781 | 232 | 40,414 | 1,415 | 79.4 |
| Wyoming | 15,000 | 8.6 | 8.5 | 129 | 128 | 99.4 | 23,928 | 1,595 | 186 | 17,863 | 1,191 | 74.7 |
| Pacific | 920,568 | 8.7 | 8.6 | 8,015 | 7,949 | 99.2 | 2,535,282 | 2,754 | 316 | 1,897,522 | 2,061 | 74.8 |
| Alaska | 2,947 | 8.5 | 8.1 | 25 | 24 | 95.4 | 8,956 | 3,039 | 359 | 7,067 | 2,398 | 78.9 |
| California | 688,284 | 8.9 | 8.8 | 6,140 | 6,090 | 99.2 | 2,076,716 | 3,017 | 338 | 1,509,633 | 2,193 | 72.7 |
| Hawaii | 16,513 | 10.3 | 9.9 | 170 | 163 | 95.9 | 43,196 | 2,616 | 254 | 32,431 | 1,964 | 75.1 |
| Oregon | 87,382 | 8.2 | 8.1 | 716 | 711 | 99.3 | 181,062 | 2,072 | 253 | 151,693 | 1,736 | 83.8 |
| Washington | 125,442 | 7.7 | 7.7 | 964 | 961 | 99.6 | 225,352 | 1,796 | 234 | 196,698 | 1,568 | 87.3 |
| Residence Unknown | 1,142 | 10.0 | 9.8 | 11 | 11 | 97.5 | 3,180 | 2,785 | 278 | 1,848 | 1,618 | 58.1 |
| Other Areas | 60,301 | 10.1 | 9.9 | 611 | 595 | 97.5 | 74,837 | 1,241 | 123 | 42,464 | 704 | 56.7 |
| Guam | 325 | 11.1 | 11.1 | 4 | 4 | 99.7 | 730 | 2,246 | 202 | 648 | 1,994 | 88.8 |
| Puerto Rico | 57,008 | 10.0 | 9.8 | 572 | 558 | 97.6 | 66,812 | 1,172 | 117 | 36,735 | 644 | 55.0 |
| Virgin Islands | 1,054 | 14.2 | 12.9 | 15 | 14 | 90.5 | 1,606 | 1,524 | 107 | 1,136 | 1,078 | 70.7 |
| All Other Areas | 96 | 10.3 | 10.3 | 1 | 1 | 100.0 | 128 | 1,333 | 130 | 90 | 938 | 70.3 |
| Foreign | 1,818 | 10.7 | 10.7 | 20 | 19 | 99.7 | 5,561 | 3,059 | 285 | 3,855 | 2,120 | 69.3 |

TABLE 3

Use of Short Stay Hospital Services by Disabled Medicare Hospital Insurance (HI) Beneficiaries: Number of Discharges, Days of Care, Charges, and Reimbursement by Region, Division, and State, 1978

| Area of Residence | Mean Length of Stay (in days) | | | Days of Care | | | Total Charges | | | Reimbursement | | |
|--------------------|-------------------------------|----------------|----------------|--------------|------------------------|------------------------|------------------------|----------------|---------|------------------------|----------------|--------------------------|
| | Number of Discharges | Total Covered | | Total | Total Covered | | Amount (in Thou-sands) | Per Dis-charge | Per Day | Amount (in Thou-sands) | Per Dis-charge | Percent of Total charges |
| | | Per Dis-charge | Per Dis-charge | | Number (in Thou-sands) | Number (in Thou-sands) | | | | | | |
| All Areas | 1,083,360 | 10.0 | 9.8 | 10,815 | 10,565 | 97.7 | \$2,636,312 | \$2,433 | \$244 | \$1,825,651 | \$1,685 | 69.3 |
| United States | 1,075,607 | 10.0 | 9.8 | 10,746 | 10,496 | 97.7 | 2,627,392 | 2,443 | 245 | 1,820,723 | 1,693 | 69.3 |
| Northeast | 213,396 | 12.0 | 11.7 | 2,565 | 2,488 | 97.0 | 655,605 | 3,072 | 256 | 430,005 | 2,015 | 65.6 |
| North Central | 268,171 | 10.7 | 10.4 | 2,867 | 2,778 | 96.9 | 671,091 | 2,502 | 234 | 492,338 | 1,836 | 73.4 |
| South | 417,889 | 9.2 | 9.1 | 3,843 | 3,795 | 98.7 | 835,414 | 1,999 | 217 | 560,158 | 1,340 | 67.1 |
| West | 175,039 | 8.3 | 8.1 | 1,459 | 1,424 | 97.6 | 460,692 | 2,632 | 316 | 335,353 | 1,916 | 72.8 |
| New England | 48,128 | 10.7 | 10.5 | 517 | 504 | 97.5 | 134,059 | 2,785 | 259 | 101,203 | 2,103 | 75.5 |
| Connecticut | 10,144 | 10.8 | 10.7 | 110 | 108 | 98.7 | 28,287 | 2,789 | 258 | 22,350 | 2,203 | 79.0 |
| Maine | 6,224 | 8.8 | 8.7 | 55 | 54 | 99.1 | 13,099 | 2,105 | 240 | 9,914 | 1,593 | 75.7 |
| Massachusetts | 21,810 | 11.8 | 11.4 | 258 | 249 | 96.8 | 71,031 | 3,257 | 276 | 52,526 | 2,408 | 73.9 |
| New Hampshire | 3,663 | 8.9 | 8.4 | 32 | 31 | 94.9 | 7,187 | 1,962 | 222 | 5,324 | 1,453 | 74.1 |
| Rhode Island | 3,666 | 10.6 | 10.5 | 39 | 38 | 99.2 | 9,188 | 2,506 | 237 | 7,215 | 1,968 | 78.5 |
| Vermont | 2,621 | 9.2 | 8.9 | 24 | 23 | 96.6 | 5,267 | 2,010 | 218 | 3,874 | 1,478 | 73.6 |
| Middle Atlantic | 165,268 | 12.4 | 12.0 | 2,048 | 1,983 | 96.9 | 521,546 | 3,156 | 255 | 328,802 | 1,990 | 63.0 |
| New Jersey | 32,700 | 12.8 | 12.4 | 417 | 407 | 97.6 | 103,208 | 3,156 | 247 | 63,091 | 1,929 | 61.1 |
| New York | 73,610 | 13.1 | 12.5 | 961 | 918 | 95.5 | 246,619 | 3,350 | 257 | 159,584 | 2,168 | 64.7 |
| Pennsylvania | 58,958 | 11.3 | 11.2 | 669 | 658 | 98.3 | 171,719 | 2,913 | 257 | 106,127 | 1,800 | 61.8 |
| East North Central | 189,840 | 11.0 | 10.7 | 2,083 | 2,035 | 97.7 | 508,879 | 2,681 | 244 | 370,506 | 1,952 | 72.8 |
| Illinois | 47,627 | 11.2 | 10.9 | 536 | 521 | 97.3 | 139,374 | 2,926 | 260 | 97,449 | 2,046 | 69.9 |
| Indiana | 26,131 | 10.6 | 10.0 | 278 | 261 | 94.0 | 56,632 | 2,167 | 204 | 42,953 | 1,644 | 75.8 |
| Michigan | 46,053 | 10.8 | 10.7 | 499 | 493 | 98.7 | 139,691 | 3,033 | 280 | 102,621 | 2,228 | 73.5 |
| Ohio | 50,788 | 11.3 | 11.2 | 576 | 569 | 98.8 | 130,104 | 2,562 | 226 | 93,001 | 1,831 | 71.5 |
| Wisconsin | 19,241 | 10.1 | 9.9 | 194 | 191 | 98.5 | 43,078 | 2,239 | 222 | 34,482 | 1,792 | 80.0 |
| West North Central | 78,331 | 10.0 | 9.5 | 784 | 743 | 94.8 | 162,212 | 2,071 | 207 | 121,832 | 1,555 | 75.1 |
| Iowa | 13,861 | 9.1 | 8.6 | 127 | 119 | 94.3 | 23,887 | 1,723 | 189 | 18,670 | 1,347 | 78.2 |
| Kansas | 10,022 | 10.4 | 9.3 | 104 | 93 | 89.2 | 20,074 | 2,003 | 192 | 14,467 | 1,444 | 72.1 |
| Minnesota | 14,761 | 10.5 | 10.1 | 155 | 149 | 95.9 | 35,223 | 2,386 | 227 | 29,429 | 1,994 | 83.6 |
| Missouri | 27,832 | 10.5 | 10.0 | 292 | 278 | 95.1 | 60,388 | 2,170 | 207 | 42,743 | 1,536 | 70.8 |
| Nebraska | 6,106 | 9.3 | 9.2 | 57 | 56 | 98.8 | 12,774 | 2,092 | 226 | 8,646 | 1,416 | 67.7 |
| North Dakota | 2,853 | 8.8 | 8.6 | 25 | 24 | 97.1 | 5,349 | 1,875 | 212 | 4,347 | 1,524 | 81.3 |
| South Dakota | 2,896 | 8.2 | 8.0 | 24 | 23 | 97.5 | 4,517 | 1,560 | 190 | 3,530 | 1,219 | 78.1 |
| South Atlantic | 200,776 | 9.6 | 9.5 | 1,933 | 1,903 | 98.4 | 436,352 | 2,173 | 226 | 296,987 | 1,479 | 68.1 |
| Delaware | 2,137 | 11.9 | 11.7 | 25 | 25 | 98.5 | 5,935 | 2,777 | 234 | 4,613 | 2,159 | 77.7 |
| Dist. of Columbia | 2,570 | 14.0 | 13.6 | 36 | 35 | 97.0 | 10,341 | 4,024 | 288 | 7,877 | 3,065 | 76.2 |
| Florida | 52,985 | 9.4 | 9.3 | 497 | 491 | 98.8 | 132,699 | 2,504 | 267 | 85,917 | 1,622 | 64.7 |
| Georgia | 37,813 | 8.1 | 8.0 | 308 | 304 | 98.7 | 66,125 | 1,749 | 215 | 44,931 | 1,188 | 67.9 |
| Maryland | 13,151 | 12.0 | 11.9 | 158 | 156 | 99.0 | 39,874 | 3,032 | 252 | 33,910 | 2,579 | 85.0 |
| North Carolina | 33,909 | 10.1 | 9.8 | 342 | 334 | 97.7 | 63,237 | 1,865 | 185 | 46,551 | 1,373 | 73.6 |
| South Carolina | 16,800 | 9.4 | 9.3 | 158 | 156 | 98.7 | 30,058 | 1,789 | 191 | 20,711 | 1,233 | 68.9 |
| Virginia | 26,278 | 10.5 | 10.3 | 275 | 270 | 98.1 | 59,453 | 2,262 | 216 | 35,603 | 1,355 | 59.9 |
| West Virginia | 15,133 | 8.8 | 8.7 | 134 | 132 | 98.6 | 28,630 | 1,892 | 214 | 16,874 | 1,115 | 58.9 |

(continued)

TABLE 3 (Continued)

Use of Short Stay Hospital Services by Disabled Medicare Hospital Insurance (HI) Beneficiaries: Number of Discharges, Days of Care, Charges, and Reimbursement by Region, Division, and State, 1978

| Area of Residence | Mean Length of Stay (in Days) | | | Days of Care | | | Total Charges | | | Reimbursement | | |
|--------------------|-------------------------------|---------------|---------------|----------------------|-----------------------|-----------------------|-----------------------|---------------|---------|-----------------------|---------------|--------------------------|
| | Number of Discharges | Total Covered | | Total (in Thousands) | Total Covered | | Amount (in Thousands) | Per Discharge | Per Day | Amount (in Thousands) | Per Discharge | Percent of Total charges |
| | | Per Discharge | Per Discharge | | Number (in Thousands) | Percent of Total Days | | | | | | |
| East South Central | 103,730 | 8.9 | 8.8 | 923 | 914 | 99.0 | 186,498 | 1,798 | 202 | 117,548 | 1,133 | 63.0 |
| Alabama | 27,966 | 9.0 | 8.9 | 251 | 250 | 99.6 | 56,790 | 2,031 | 227 | 34,600 | 1,237 | 60.9 |
| Kentucky | 22,367 | 8.9 | 8.8 | 198 | 196 | 98.7 | 35,683 | 1,595 | 180 | 26,113 | 1,167 | 73.2 |
| Mississippi | 21,706 | 8.5 | 8.3 | 185 | 181 | 98.2 | 32,483 | 1,496 | 176 | 19,813 | 913 | 61.0 |
| Tennessee | 31,691 | 9.1 | 9.1 | 289 | 287 | 99.4 | 61,542 | 1,942 | 213 | 37,022 | 1,168 | 60.2 |
| West South Central | 113,383 | 8.7 | 8.6 | 987 | 978 | 99.1 | 212,564 | 1,875 | 215 | 145,623 | 1,284 | 68.5 |
| Arkansas | 18,792 | 7.5 | 7.4 | 141 | 139 | 99.0 | 26,979 | 1,436 | 191 | 16,471 | 876 | 61.1 |
| Louisiana | 21,362 | 8.9 | 8.8 | 190 | 188 | 98.9 | 42,267 | 1,979 | 222 | 25,712 | 1,204 | 60.8 |
| Oklahoma | 16,174 | 8.2 | 8.2 | 133 | 132 | 99.0 | 31,454 | 1,945 | 236 | 21,564 | 1,333 | 68.6 |
| Texas | 57,055 | 9.2 | 9.1 | 522 | 518 | 99.1 | 111,864 | 1,961 | 214 | 81,876 | 1,435 | 73.2 |
| Mountain | 40,581 | 8.5 | 8.2 | 343 | 334 | 97.3 | 87,601 | 2,159 | 255 | 61,516 | 1,516 | 70.2 |
| Arizona | 10,535 | 9.5 | 9.2 | 100 | 97 | 96.8 | 25,489 | 2,419 | 254 | 18,019 | 1,710 | 70.7 |
| Colorado | 9,759 | 9.1 | 8.8 | 88 | 86 | 97.1 | 22,620 | 2,318 | 256 | 15,045 | 1,542 | 66.5 |
| Idaho | 3,918 | 7.2 | 7.2 | 28 | 28 | 98.9 | 6,699 | 1,710 | 236 | 5,137 | 1,311 | 76.7 |
| Montana | 3,925 | 7.3 | 6.8 | 29 | 27 | 92.9 | 5,883 | 1,499 | 206 | 4,524 | 1,153 | 76.9 |
| Nevada | 3,238 | 8.4 | 8.4 | 27 | 27 | 99.3 | 9,814 | 3,031 | 360 | 5,848 | 1,806 | 59.6 |
| New Mexico | 4,951 | 7.4 | 7.3 | 36 | 36 | 98.8 | 9,114 | 1,841 | 250 | 6,619 | 1,337 | 72.6 |
| Utah | 3,134 | 8.1 | 8.0 | 25 | 25 | 98.8 | 6,312 | 2,014 | 249 | 5,073 | 1,619 | 80.4 |
| Wyoming | 1,121 | 7.7 | 7.7 | 9 | 9 | 99.8 | 1,670 | 1,490 | 193 | 1,251 | 1,116 | 74.9 |
| Pacific | 134,458 | 8.3 | 8.1 | 1,116 | 1,090 | 97.7 | 373,091 | 2,775 | 334 | 273,837 | 2,037 | 73.4 |
| Alaska | 599 | 7.4 | 6.8 | 4 | 4 | 91.4 | 1,616 | 2,698 | 362 | 1,104 | 1,843 | 68.3 |
| California | 106,428 | 8.4 | 8.2 | 893 | 874 | 97.8 | 313,026 | 2,941 | 350 | 224,993 | 2,114 | 71.9 |
| Hawaii | 2,442 | 9.0 | 8.4 | 22 | 21 | 93.5 | 6,435 | 2,635 | 292 | 4,555 | 1,865 | 70.8 |
| Oregon | 10,055 | 7.9 | 7.6 | 79 | 77 | 96.8 | 22,116 | 2,200 | 279 | 18,413 | 1,813 | 83.3 |
| Washington | 14,934 | 7.8 | 7.6 | 117 | 114 | 97.9 | 29,898 | 2,002 | 257 | 24,772 | 1,659 | 82.9 |
| Residence Unknown | 1,112 | 10.6 | 10.6 | 12 | 12 | 99.8 | 4,590 | 4,128 | 389 | 2,869 | 2,580 | 62.5 |
| Other Areas | 7,753 | 8.9 | 8.8 | 69 | 68 | 98.7 | 8,920 | 1,151 | 129 | 4,928 | 636 | 55.2 |
| Guam | 25 | 9.8 | 9.8 | 1 | 1 | 100.0 | 62 | 2,480 | 253 | 53 | 2,120 | 85.5 |
| Puerto Rico | 7,495 | 8.8 | 8.7 | 66 | 65 | 98.7 | 8,314 | 1,109 | 126 | 4,507 | 601 | 54.2 |
| Virgin Islands | 62 | 14.0 | 14.0 | 1 | 1 | 100.0 | 84 | 1,355 | 97 | 72 | 1,161 | 85.7 |
| All Other Areas | 67 | 9.7 | 9.3 | 1 | 1 | 95.4 | 63 | 940 | 97 | 50 | 746 | 79.4 |
| Foreign | 104 | 10.9 | 10.9 | 1 | 1 | 100.0 | 397 | 3,817 | 351 | 246 | 2,365 | 62.0 |

¹ Greater than 0 but less than 500.

TABLE 4**Approximate Standard Error of Estimated Number of Discharges Using Services**

| Discharges | Standard Error |
|------------|----------------|
| 50 | 22 |
| 70 | 26 |
| 100 | 31 |
| 200 | 44 |
| 300 | 53 |
| 500 | 69 |
| 700 | 81 |
| 1,000 | 97 |
| 2,000 | 140 |
| 3,000 | 170 |
| 5,000 | 210 |
| 7,000 | 250 |
| 10,000 | 300 |
| 20,000 | 420 |
| 30,000 | 510 |
| 50,000 | 660 |
| 70,000 | 780 |
| 100,000 | 920 |
| 200,000 | 1,300 |
| 300,000 | 1,600 |
| 500,000 | 2,000 |
| 700,000 | 2,400 |
| 1,000,000 | 2,900 |
| 2,000,000 | 4,000 |
| 3,000,000 | 4,900 |
| 5,000,000 | 6,300 |
| 7,000,000 | 7,400 |
| 10,000,000 | 8,800 |

TABLE 5**Approximate Standard Error of Estimated Days of Care**

| Estimated Days of Care | Standard Error |
|------------------------|----------------|
| 500 | 230 |
| 700 | 280 |
| 1,000 | 330 |
| 2,000 | 480 |
| 3,000 | 590 |
| 5,000 | 770 |
| 7,000 | 920 |
| 10,000 | 1,100 |
| 20,000 | 1,600 |
| 30,000 | 2,000 |
| 50,000 | 2,600 |
| 70,000 | 3,000 |
| 100,000 | 3,700 |
| 200,000 | 5,200 |
| 300,000 | 6,500 |
| 500,000 | 8,400 |
| 700,000 | 10,000 |
| 1,000,000 | 12,000 |
| 2,000,000 | 17,000 |
| 3,000,000 | 21,000 |
| 5,000,000 | 28,000 |
| 7,000,000 | 33,000 |
| 10,000,000 | 40,000 |
| 20,000,000 | 57,000 |
| 30,000,000 | 71,000 |
| 50,000,000 | 92,000 |
| 70,000,000 | 110,000 |
| 100,000,000 | 130,000 |

TABLE 6

Approximate Standard Error of Estimated Charges or Reimbursement

| Estimated Dollars | Standard Error | Estimated Dollars | Standard Error |
|-------------------|----------------|-------------------|----------------|
| \$10,000 | \$10,000 | 30,000,000 | 880,000 |
| 20,000 | 16,000 | 50,000,000 | 1,200,000 |
| 30,000 | 21,000 | 70,000,000 | 1,400,000 |
| 50,000 | 27,000 | | |
| 70,000 | 33,000 | 100,000,000 | 1,700,000 |
| | | 200,000,000 | 2,500,000 |
| 100,000 | 40,000 | 300,000,000 | 3,100,000 |
| 200,000 | 58,000 | 500,000,000 | 4,100,000 |
| 300,000 | 72,000 | 700,000,000 | 4,900,000 |
| 500,000 | 95,000 | | |
| 700,000 | 110,000 | 1,000,000,000 | 5,900,000 |
| | | 2,000,000,000 | 8,700,000 |
| 1,000,000 | 140,000 | 3,000,000,000 | 11,000,000 |
| 2,000,000 | 200,000 | 5,000,000,000 | 14,000,000 |
| 3,000,000 | 250,000 | 7,000,000,000 | 17,000,000 |
| 5,000,000 | 330,000 | | |
| 7,000,000 | 400,000 | 10,000,000,000 | 21,000,000 |
| | | 20,000,000,000 | 30,000,000 |
| 10,000,000 | 480,000 | 30,000,000,000 | 38,000,000 |
| 20,000,000 | 710,000 | | |

TABLE 7

Approximate Standard Error of Days per Discharge

| Days per Discharge | Base of Rate (Discharges in Thousands) | | | | | | | | | | | | | |
|--------------------|--|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| | .05 | .07 | .10 | .20 | .30 | .50 | .70 | 1.0 | 2.0 | 3.0 | 5.0 | 7.0 | 10 | 20 |
| 5 | 2.4 | 2.0 | 1.7 | 1.2 | 1.0 | .79 | .67 | .57 | .41 | .34 | .26 | .22 | .19 | .14 |
| 6 | 2.6 | 2.2 | 1.9 | 1.4 | 1.1 | .87 | .74 | .62 | .45 | .37 | .29 | .24 | .21 | .15 |
| 7 | 2.9 | 2.5 | 2.1 | 1.5 | 1.2 | .94 | .80 | .68 | .48 | .40 | .31 | .26 | .22 | .16 |
| 8 | 3.1 | 2.7 | 2.2 | 1.6 | 1.3 | 1.0 | .87 | .73 | .52 | .43 | .33 | .28 | .24 | .17 |
| 9 | 3.4 | 2.9 | 2.4 | 1.7 | 1.4 | 1.1 | .93 | .78 | .56 | .46 | .36 | .30 | .26 | .18 |
| 10 | 3.7 | 3.1 | 2.6 | 1.8 | 1.5 | 1.2 | 1.0 | .84 | .60 | .49 | .38 | .32 | .27 | .19 |
| 12 | 4.2 | 3.5 | 3.0 | 2.1 | 1.7 | 1.3 | 1.1 | .95 | .68 | .55 | .43 | .37 | .31 | .22 |
| 14 | 4.8 | 4.0 | 3.4 | 2.4 | 1.9 | 1.5 | 1.3 | 1.1 | .76 | .62 | .48 | .41 | .34 | .24 |
| 16 | 5.3 | 4.5 | 3.8 | 2.7 | 2.2 | 1.7 | 1.4 | 1.2 | .84 | .69 | .53 | .45 | .38 | .27 |
| | 30 | 50 | 70 | 100 | 200 | 300 | 500 | 700 | 1,000 | 2,000 | 3,000 | 5,000 | 7,000 | 10,000 |
| 5 | .11 | .087 | .075 | .063 | .045 | .037 | .029 | .025 | .021 | .015 | .012 | .010 | .0083 | .0070 |
| 6 | .12 | .095 | .081 | .068 | .049 | .041 | .032 | .027 | .023 | .016 | .014 | .011 | .0090 | .0076 |
| 7 | .13 | .10 | .088 | .074 | .053 | .044 | .034 | .029 | .025 | .018 | .015 | .011 | .0097 | .0082 |
| 8 | .14 | .11 | .094 | .079 | .057 | .047 | .036 | .031 | .026 | .019 | .015 | .012 | .010 | .0087 |
| 9 | .15 | .12 | .10 | .084 | .060 | .050 | .039 | .033 | .028 | .020 | .016 | .013 | .011 | .0092 |
| 10 | .16 | .13 | .11 | .089 | .064 | .052 | .041 | .035 | .029 | .021 | .017 | .014 | .012 | .0097 |
| 12 | .18 | .14 | .12 | .10 | .071 | .058 | .046 | .039 | .033 | .023 | .019 | .015 | .013 | .011 |
| 14 | .20 | .16 | .13 | .11 | .078 | .060 | .050 | .043 | .036 | .026 | .021 | .016 | .014 | .012 |
| 16 | .22 | .17 | .14 | .12 | .086 | .070 | .055 | .047 | .039 | .028 | .023 | .018 | .015 | .013 |

TABLE 8

Approximate Standard Error of Charges or Reimbursement per Discharge

| Dollars per Discharge | Base of Rate (Discharges in Thousands) | | | | | | | | | | | | | |
|-----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | .05 | .07 | .1 | .2 | .3 | .5 | .7 | 1 | 2 | 3 | 5 | 7 | 10 | 20 |
| \$300 | \$200 | \$180 | \$150 | \$110 | \$92 | \$73 | \$63 | \$54 | \$40 | \$33 | \$26 | \$23 | \$19 | \$14 |
| 500 | 260 | 220 | 190 | 140 | 120 | 92 | 79 | 67 | 50 | 41 | 33 | 29 | 24 | 18 |
| 700 | 300 | 260 | 220 | 160 | 130 | 110 | 92 | 78 | 58 | 48 | 38 | 33 | 28 | 21 |
| 1,000 | 370 | 310 | 270 | 190 | 160 | 130 | 110 | 93 | 68 | 57 | 45 | 39 | 33 | 24 |
| 2,000 | 610 | 520 | 440 | 310 | 250 | 200 | 170 | 140 | 100 | 85 | 67 | 57 | 48 | 35 |
| 3,000 | 900 | 760 | 630 | 440 | 360 | 280 | 240 | 200 | 140 | 120 | 90 | 76 | 64 | 46 |
| 4,000 | 1,200 | 1,000 | 840 | 590 | 480 | 370 | 310 | 260 | 180 | 150 | 120 | 98 | 82 | 58 |
| 5,000 | 1,500 | 1,300 | 1,100 | 750 | 610 | 470 | 390 | 330 | 230 | 190 | 140 | 120 | 100 | 71 |
| | 30 | 50 | 70 | 100 | 200 | 300 | 500 | 700 | 1,000 | 2,000 | 3,000 | 5,000 | 7,000 | 10,000 |
| \$300 | \$12 | \$9.5 | \$8.2 | \$7.0 | \$5.2 | \$4.3 | \$3.4 | \$2.9 | \$2.5 | \$1.8 | \$1.5 | \$1.2 | \$1.1 | \$.90 |
| 500 | 15 | 12 | 10 | 8.8 | 6.5 | 5.4 | 4.3 | 3.7 | 3.2 | 2.3 | 1.9 | 1.5 | 1.3 | 1.1 |
| 700 | 17 | 14 | 12 | 10 | 7.5 | 6.2 | 5.0 | 4.3 | 3.7 | 2.7 | 2.3 | 1.8 | 1.5 | 1.3 |
| 1,000 | 20 | 16 | 14 | 12 | 8.7 | 7.3 | 5.8 | 5.0 | 4.3 | 3.1 | 2.6 | 2.1 | 1.8 | 1.5 |
| 2,000 | 29 | 23 | 20 | 17 | 12 | 10 | 8.0 | 6.9 | 5.9 | 4.3 | 3.6 | 2.9 | 2.5 | 2.1 |
| 3,000 | 38 | 30 | 25 | 21 | 15 | 13 | 10 | 8.6 | 7.3 | 5.3 | 4.4 | 3.5 | 3.0 | 2.5 |
| 4,000 | 47 | 37 | 31 | 26 | 19 | 16 | 12 | 10 | 8.7 | 6.3 | 5.2 | 4.1 | 3.5 | 3.0 |
| 5,000 | 58 | 45 | 38 | 32 | 23 | 18 | 14 | 12 | 10 | 7.4 | 6.1 | 4.8 | 4.1 | 3.4 |

TABLE 9

Approximate Standard Error of Charges per Day or Reimbursement per Day

| Dollars per Day | Base of Rate (Days in Thousands) | | | | | | | | | | | | | |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|---------|-------|
| | .5 | 1 | 2 | 3 | 5 | 7 | 10 | 20 | 30 | 50 | 70 | 100 | 200 | 300 |
| \$50 | \$20 | \$15 | \$11 | \$9.1 | \$7.2 | \$6.2 | \$5.3 | \$3.9 | \$3.3 | \$2.6 | \$2.2 | \$1.9 | \$1.4 | \$1.2 |
| 70 | 22 | 16 | 12 | 10 | 8.0 | 6.9 | 5.9 | 4.3 | 3.6 | 2.9 | 2.5 | 2.1 | 1.6 | 1.3 |
| 100 | 26 | 19 | 14 | 11 | 9.1 | 7.8 | 6.7 | 4.9 | 4.1 | 3.2 | 2.8 | 2.4 | 1.7 | 1.5 |
| 200 | 44 | 32 | 23 | 19 | 15 | 12 | 11 | 7.6 | 6.2 | 4.9 | 4.2 | 3.5 | 2.5 | 2.1 |
| 300 | 71 | 50 | 36 | 29 | 23 | 19 | 16 | 12 | 9.5 | 7.4 | 6.3 | 5.3 | 3.8 | 3.1 |
| 400 | 100 | 72 | 51 | 42 | 32 | 27 | 23 | 16 | 13 | 10 | 8.8 | 7.4 | 5.3 | 4.3 |
| | 500 | 700 | 1,000 | 2,000 | 3,000 | 5,000 | 7,000 | 10,000 | 20,000 | 30,000 | 50,000 | 70,000 | 100,000 | |
| \$50 | \$.94 | \$.81 | \$.69 | \$.51 | \$.43 | \$.34 | \$.29 | \$.25 | \$.18 | \$.15 | \$.12 | \$.11 | \$.090 | |
| 70 | 1.0 | .90 | .77 | .56 | .47 | .38 | .32 | .28 | .20 | .17 | .14 | .12 | .10 | |
| 100 | 1.2 | 1.0 | .85 | .63 | .52 | .42 | .36 | .31 | .23 | .19 | .15 | .13 | .11 | |
| 200 | 1.7 | 1.4 | 1.2 | .87 | .72 | .57 | .49 | .41 | .30 | .25 | .20 | .17 | .14 | |
| 300 | 2.4 | 2.1 | 1.7 | 1.2 | 1.0 | .80 | .68 | .57 | .41 | .34 | .26 | .23 | .19 | |
| 400 | 3.4 | 2.8 | 2.4 | 1.7 | 1.4 | 1.1 | .92 | .77 | .55 | .45 | .35 | .30 | .25 | |

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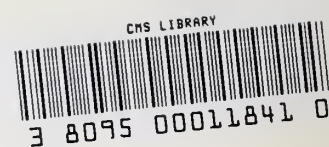
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